

คู่มือการใช้งาน

**DVD Player**

**DVD-HD948**



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## Characteristics

ing the following types of discs with the corresponding logos:

	Disc Size	Max. Playing Time	Characteristics
12 Cm	Single-sided 240 min.	74 min.	<ul style="list-style-type: none"><li>DVD contains excellent sound and video due to Dolby Digital and MPEG-2 system.</li></ul>
	Double-sided 480 min.		<ul style="list-style-type: none"><li>Various screen and audio functions can be easily selected through the on-screen menu.</li></ul>
8 Cm	Single-sided 80 min.	20 min.	<ul style="list-style-type: none"><li>Video with CD sound, VHS quality &amp; MPEG-1 compression technology.</li></ul>
	Double-sided 160 min.		
12 Cm	74 min.	400 min.	<ul style="list-style-type: none"><li>CD is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time.</li></ul>
	20 min.		<ul style="list-style-type: none"><li>DVD AUDIO is a format specifically designed to provide the highest possible audio fidelity capable on DVD.</li></ul>
12 Cm	74 min.	74 min.	<ul style="list-style-type: none"><li>SACD is a high quality audio format with higher sampling rates and fuller, richer sound as compared to regular CD.</li></ul>



### Play Region Number

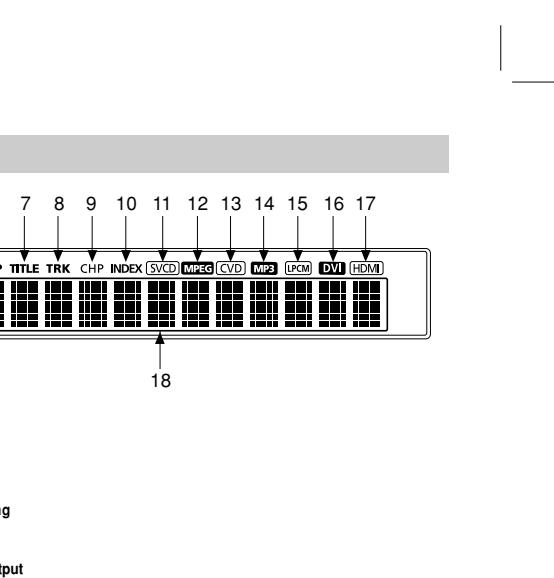
Both the DVD player and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play.

The Region Number for this player is described on the rear panel of the player.

### DivX Certification

DivX, DivX Certified, and associated logos are trademarks of DivXNetworks, Inc and are used under license.





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put



er Audio CD : Track number

CD, CD

ected to the HDMI Jack is a DVI device

ected to the HDMI Jack is a HDMI device

ncerning operations such as PLAY, STOP, LOAD ...

rmation.

ENG-7

ol most TVs. See page 39.

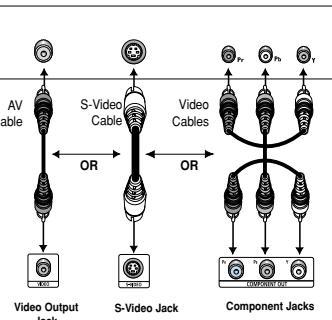
18	8. <b>SEARCH Buttons</b> (◀◀ / ▶▶) • Allow you to search forward/backward through a disc.
19	9. <b>STOP Button</b> ( ■ )
20	10. <b>MENU Button</b> • Brings up the DVD player's menu.
21	11. <b>RETURN Button</b> • Returns to a previous menu.
22	12. <b>ZOOM Button</b> • Enlarges DVD picture.
23	13. <b>AUDIO Button</b> • Use this button to access various audio functions on a disc.
24	14. <b>SUBTITLE Button</b>
25	15. <b>INDEX Buttons</b> • Use to skip the INDEX.
26	16. <b>SACD/CD Button</b> • Selects SACD or CD playback mode.
27	17. <b>SHUTTLE DIAL</b> (Search mode) • Performs fast motion play.
28	18. <b>TV POWER button</b> • Turns the TV's power on or off.
29	19. <b>CLEAR Button</b> • Use to remove menus or status displays from the screen.
30	20. <b>INSTANT SKIP Button</b> • This function skips playback ahead 10 seconds.
31	21. <b>INSTANT REPLAY Button</b> • This function is used to replay the previous 10 seconds of a movie from the current position.
32	22. <b>CH ▲ / ▼ Buttons</b> • Channel selection.
33	23. <b>OPEN/CLOSE (▲) Button</b> • To open and close the disc tray.
34	24. <b>HDMI SEL. Button</b> • HDMI or DVI Output resolution setup.
35	25. <b>SKIP Buttons</b> (◀◀ / ▶▶) • Use to skip the title, chapter, or track.
	26. <b>PLAY/PAUSE Button</b> (▶II) • Begin/Pause disc play.
	27. <b>INFO Button</b> • Displays the current disc mode.
	28. <b>DISC MENU Button</b> • Brings up the Disc menu.
	29. <b>ENTER/DIRECTION Button</b> (UP/DOWN or LEFT/RIGHT Buttons) • This button functions as a toggle switch.
	30. <b>EZ VIEW Button</b> • Easy View can convert Letter Box images to full screen viewing on your conventional TV.
	31. <b>ANGLE Button</b> • Use to access various camera angles on a DVD.
	32. <b>REPEAT Button</b> • Allows you to repeat play a title, chapter, track, or disc.
	33. <b>PAGE Buttons</b> • Use to skip the PAGE.
	34. <b>BOOKMARK Button</b>
	35. <b>JOG DIAL</b> (Step mode) • Operates frame by frame play. In CD mode, performs track search.

1

c..)

**Method 1**   **Method 2**   **Method 3**

Video      S-Video      Interlace scan



thod.

by pressing TV/VIDEO button on. (See page 39)  
the cable connection.

You can change easily video output in no disc mode.

be set to S-Video or Component (lscan).)

ck  
be set to S-Video.)

o Jacks  
be set to Component (lscan).)

Video output mode is changed in regular sequence in no disc mode.

1

, in case of PAL TV system 576p, 720p, 768p, 1080i are selected in

, in case of NTSC TV system 480p, 720p, 768p, 1080i are selected in

, brings up the current resolution.

the HDMI output resolution.

It may not work depending on your TV.

(face)  
igital transmission of video and audio data with just a single connector.  
s a digital video and audio signal and displays a vivid picture on a TV

and video data and digital audio data(LPCM or Bit Stream data).

, the player outputs only a pure digital signal to the TV.  
bandwidth Digital content protection), snow noise appears on the screen.

udio signal. However, when playing a DVD, the data transmitted to a TV  
alog converter(in the dvd player) or an analog-to-digital converter (in the  
n, the picture quality is degraded due to noise and signal loss.  
requires no D/A conversion and is a pure digital signal from the player to

t Protection) is a system for protecting DVD content outputted via DVI  
e digital link between a video source(PC, DVD, etc) and a display  
encrypted at the source device to prevent unauthorized copies from

#### **T (525p/625p)**

THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE  
S PRODUCT AND MAY CAUSE ARTIFACTS TO BE  
IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE  
IDED THAT THE USER SWITCH THE CONNECTION TO  
OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR  
THIS MODEL 525p AND 625p DVD PLAYER, PLEASE  
ERVICE CENTER."



ENG-13

## Using the Display Function

### When Playing a DVD/VCD/CD

1. During play, press the INFO button on the remote.
2. Use the UP/DOWN buttons to select the desired item.
3. Use the LEFT/RIGHT buttons to make the desired setup and then press ENTER.
  - You may use the number buttons of the remote control to directly access a title, chapter or to start the playback from the desired time.
4. To make the screen disappear, press the INFO button again.

DVD



VCD



CD



## Repeat Play

Repeat the current track, chapter, title, a chosen section (A-B), or all of the disc.

1. Press the REPEAT button on the remote. Repeat screen appears.
2. Select Chapter, Title or A-B using the LEFT/RIGHT buttons.
  - Chapter ( ): repeats the chapter that is playing.
  - Title ( ): repeats the title that is playing.
  - A-B : repeats a segment of the disc that you select.
3. A-B REPEAT
  - Press ENTER at the point where you want the repeat play to start (A).
  - Press ENTER at the point where you want the repeat play to stop (B).
  - To terminate the function, press the 'CLEAR' button.
  - A-B REPEAT does not allow you to set point (B) until at least 5 seconds has elapsed after point (A) has been set.

DVD



VCD/CD



3. Press ENTER.
4. To return to normal play, press REPEAT again, then press the LEFT/RIGHT buttons to select Off and press ENTER.

**Note**

- DVD repeats play by chapter or title, CD and VCD repeat play by disc or track.
- Depending on a disc, the Repeat function may not work.
- When VCD 2.0 is in Menu Off mode only, this function works. (See page 15)

## Aspect Ratio (EZ View)

(DVD)

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### If you are using a 4:3 TV

#### 1. For 16:9 aspect ratio discs

- **4:3 Letter Box**  
Displays the content of the DVD title in 16:9 aspect ratio. The black bars will appear at the top and bottom of the screen.
- **4:3 Pan Scan**  
The left and right of the screen are cut off and displays the central portion of the 16:9 screen.
- **Screen Fit**  
The top and bottom of the screen are cut off and the full screen appears.  
The picture will look vertically stretched.
- **Zoom Fit**  
The top, bottom, left and right of the screen are cut off and the central portion of the screen is enlarged.

#### 2. For 4:3 aspect ratio discs

- **Normal Screen**  
Displays the content of the DVD title in 4:3 aspect ratio.
- **Screen Fit**  
The top and bottom of the screen are cut off and the full screen appears.  
The picture would look vertically stretched.
- **Zoom Fit**  
The top, bottom, left and right of the screen are cut off and the central portion of the screen is enlarged.



### Note

- This function may behave differently depending on a type of disc.

## Using the Instant Replay/Skip Function

### Using the Instant Replay function (DVD)

If you miss a scene, you can see it again using this function.

If you press the INSTANT REPLAY button, the current scene moves backward about 10 seconds, and plays back.

\* Depending on a disc, the Instant Replay function may not work.



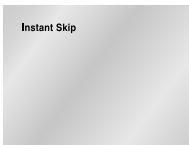
### Using the Instant Skip function (DVD)

Use this function to skip playback about 10 seconds ahead of the current scene.



Press the INSTANT SKIP button.

- Playback will skip ahead 10 seconds.  
- Depending on a disc, this function may not work.



## SACD Playback

1. Open the disc tray.
2. Place the SACD disc on the tray.  
- Place the SACD disc with the labeled side up.
3. Close the tray.  
- The tray closes and you should get a screen that looks like the one below.



### SACD Clips Menu On Play Function

1. Use the UP/DOWN buttons to select a music title.
2. Press the ENTER button to begin playback of the music title.  
- If you want to use the Repeat Function, press the REPEAT button to change the mode, such as Off, Track, Disc.  
\*Off : Normal Playback  
\*Track : Repeats the current music title.  
\*Disc : Repeats the music titles in the SACD.  
- If you want to see information about the Disc title and Artist, press the INFO button.  
- If you want to convert into regular CD mode, press the SACD/CD button.  
- During play or stop mode, you can change the 2CH or MULTI mode by using LEFT/RIGHT buttons. (You can use this function when SACD disc includes multi channel and 2 channel audio format.)



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Track, Page

desired time.

the INFO

 **Group** Most DVD AUDIO discs are recorded in Group, you can change Groups with this Function.

**Note**

- Bonus Group playback.
- Some DVD AUDIO discs have Bonus groups. If you want to play a Bonus group, you must enter the Bonus Group code. The code is usually on the DVD AUDIO disc case.

 **Track** To access the desired Track when there is more than one on the DVD AUDIO disc.

 **Page** If pages are included with the DVD-AUDIO, you can see this icon. To access the desired page, you can use this Function.

 **Slide** If a slide show is included with the DVD-AUDIO, you can see this icon. In this case you cannot use PAGE PRE./NEXT buttons.

 **V-zone** If a video zone is included with the DVD-AUDIO, you can see this icon. In this case you cannot use PAGE PRE./NEXT buttons.

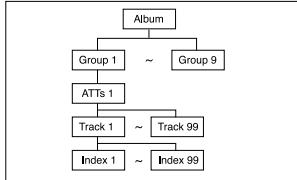
 **Time** Allows playback of the music from a desired time by using the number buttons.



**Page, Index Function**

1. Use PAGE PRE./NEXT buttons to Skip the Page when there is more than one in a group.
  - Some DVD-AUDIO discs include a slide show. In the slide show mode, this function can not use.
  - PAGE is still images. You can see the still images when playback DVD-AUDIO disc.
2. Use INDEX PRE./NEXT buttons to Skip the Index when there is more than one in a track.

**Note** Depending on a disc, this function may not work.



## MP3/WMA Playback

### in the Stop

1. Open the disc tray.
2. Place the disc on the tray.
  - Place the disc with the labeled side up.
3. Close the tray.
  - The tray closes and you should get a screen that looks like the one below.

### MP3/WMA Play Function

1. Select the desired folder.
2. Use the UP/DOWN or LEFT/RIGHT buttons to select a song file.
3. Press ENTER to begin playback of the song file.



### Repeat/Random playback

Press the REPEAT button to change playback mode. There are 4 modes, such as Off, Track, Folder and Random.

- Off : Normal Playback
- Track : Repeats the current song file.
- Folder : Repeats the song files which have the same extension in the current folder.
- Random : Song files which have the same extension will be played in random order.

\* To resume normal play, press the CLEAR button.

### **MPEG4 Function Description**

Function	Description	Reference page
Skip (◀◀ or ▶▶)	During play, press the ▶◀ or ▶▶ button, it moves forward or backward 5 minutes.	-
Search (◀◀ or ▶▶)	During play, press the SEARCH (◀◀ or ▶▶) button and press again to search at a faster speed. Allows you to search at a faster speed in an AVI file. (2X, 4X, 8X)	-
Slow Motion Play	Allows you to search at a slower speed in an AVI file. (1/8X, 1/4X, 1/2X)	P 14
Step Motion Play	Each time the STEP button is pressed, a new frame will appear.	P 14
ZOOM	2X/4X/2X/Normal in order	P 23

- These functions may not work depending on MPEG4 file.

### **CD-R AVI file**

This unit can play the following video compression formats within the AVI file format:

- DivX 3.11 contents
- DivX 4 contents (Based on MPEG-4 Simple Profile)
- DivX 5 contents (MPEG-4 simple profile plus additional features such as bi-directional frames. Opel and GMC are also supported.)
- XviD MPEG-4 compliant Contents.



This unit supports all resolutions up to maximum below.

DivX3.11 & DivX4 & XviD	DivX5
Bitrate may fluctuate:	720 x 480 @30fps
Device may skip decoding the high bitrate portions and begin decoding again when Bitrate returns to normal.	720 x 576 @25fps : Maximum bitrate : 4Mbps

### **Note**

- Some MPEG-4 files created on a personal computer may not be play back. That is why Codec Type, Version and Higher resolution over specification is not supported.
- This unit supports CD-R/RW written in MPEG4 in accordance with the "ISO9660 format".

## Setting Up the Language Features

If you set the player menu, disc menu, audio and subtitle language in advance, they will come up automatically every time you watch a movie.

### Using the Player Menu Language

1. With the unit in Stop mode, press the MENU button.
2. Select **Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
3. Select **Language Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.



4. Select **Player Menu** using UP/DOWN buttons, then press the RIGHT or ENTER button.



5. Use the UP/DOWN buttons to select the desired language.



6. Press the ENTER button.

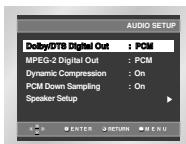
- The language is selected and the screen returns to Language Setup menu.
- To make the SETUP menu disappear, press the RETURN or LEFT button.

## Setting Up the Audio Options

1. With the unit in Stop mode, press the MENU button.
2. Select **Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
3. Select **Audio Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.



4. Use the UP/DOWN buttons to select the desired item. Then press the RIGHT or ENTER button.



### ① Dolby/DTS Digital Out

1. PCM : Converts to PCM(2CH) audio.
2. Bitstream : Outputs Dolby Digital or DTS Bitstream via digital output. Select Bitstream when connecting to a Dolby Digital and DTS Decoder.

**Note** There is no analog audio output when you play DTS sound disc.

### ② MPEG-2 Digital Out

1. PCM : Converts to PCM(2CH) audio.
2. Bitstream : Outputs MPEG-2 Bitstream via digital output. Select Bitstream when connecting to an MPEG-2 Decoder.

### ③ Dynamic Compression

1. On : To select dynamic compression.
2. Off : To select the standard range.

## Setup

### Setting Up the Display Options

1. With the unit in Stop mode, press the MENU button.
2. Select **Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
3. Select **Display Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.



4. Use the UP/DOWN buttons to select the desired item. Then press the RIGHT or ENTER button.



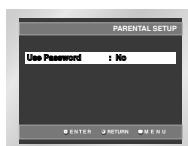
## Setting Up the Parental Control

The Parental Control function works in conjunction with DVDs that have been assigned a rating which helps you control the types of DVDs that your family watches. There are up to 8 rating levels on a disc.

1. With the unit in Stop mode, press the MENU button.
2. Select **Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
3. Select **Parental Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.



4. Use RIGHT or ENTER to select **Yes** if you want to use a password. The **Enter Password** screen appears.



5. Enter your password. The **Re-enter Password** screen appears to confirm the password. Enter your password again. The player is locked (🔒).



## The Remote

control most TVs. To program the remote, use the code that

TV Codes		
	BRAND	CODE
5, 16, 17, 18	NORDMENDE	72, 73
	NOKIA	74
	PANASONIC	53, 54, 74, 75
	PHILIPS	06, 55, 56, 57
	PHONOLA	06, 56, 57
	PIONEER	58, 59, 73, 74, 75
	RADIOLA	06, 56
	RADIOMARELLI	57
26, 27, 28, 29,	RCA	45, 46
	REX	74
	SABA	57, 72, 73, 74, 75
	SALORA	74
	SAMSUNG	01, 02, 03, 04, 05, 06, 07, 08, 09
	SANYO	41, 42, 43, 44, 48
	SCHNEIDER	06
	SELECO	74
	SHARP	36, 37, 38, 39, 48
	SIEMENS	71
	SINGER	57
	SINUDYNE	57
8	SONY	35, 48
	TELEAVA	73
	TELEFUNKEN	67, 73, 75, 76
	THOMSON	72, 73, 75
	THOMSON ASIA	80, 81
	TOSHIBA	47, 48, 49, 50, 51, 52
	WEGA	57
	YOKO	06
	ZENITH	63

4. If the TV turns off, setup is complete.  
Enter other codes of the same brand if the first code does not work.

down, enter 5. To operate the TV, use the "TV Function Buttons" described on page 9.

### Important Note

- The remote may not be able to control every model TV of the brands listed.
- If you replace the remote control's batteries, set the brand code again.

hooting), please check the following.

Action	Page
the batteries in the remote. They may need replacing. the remote control at a distance of no more than 20 feet. batteries and hold down one or more buttons for several to drain the microprocessor inside the remote to reset it. batteries and try to operate the remote again.	P3
hat the disc is installed with the label side facing up. e region number of the DVD.	P6
nel sound is reproduced only when the following condi- met. : DVD player is connected with the proper amplifier disc is recorded with 5.1 channel sound. ether the disc being played has the "Dolby 5.1 ch" mark tside. our audio system is connected and working properly. JP Menu, is the Audio Output set to Bitstream?	P10
ures or action cannot be completed at this time because: DVD's software restricts it. DVD's software doesn't support the feature (e.g., angles). eature is not available at the moment. e requested a title or chapter number or search time that of range.	P33
he disc has a Menu.	P14
he functions selected in the Setup Menu may not work if the disc is not encoded with the corresponding function.	P31~38
en Ratio is fixed on your DVDs.	P35~36
re you have selected the correct Digital Output in the tions Menu.	P33~35
power on from a cold start with no disc in the unit. SEARCH/SKIP ( ►► ) button on the front panel for 5 he SELECT MENU LANGUAGE display will appear. e number button of the desired language.	P35~36
power on from a cold start with no disc in the unit. SEARCH/SKIP ( ►► ) button on the front panel for 5 he SELECT MENU LANGUAGE display will appear. e number button of the desired language. Press the button, and then press DOWN button to select Setup, then IGHT or ENTER. Press Up or Down to select Parental e Parental Setup is now unlocked as indicated on the dis- can change your password.	P37~38
content and find the section of the instruction book that the explanations regarding the current problem, and follow dure once again. blem still cannot be solved, please contact your nearest d service center.	

Power	AC 110~240 V, 50/60 Hz
Power Consumption	14 W
	2.3 Kg
Dimensions	430mm (W) X 250mm (D) X 49mm (H)
Temperature Range	+5°C to +35°C
Humidity Range	10 % to 75 %
Disc	Reading Speed : 3.49 ~ 4.06 m/sec. Approx. Play Time (Single Sided, Single Layer Disc) : 135 min.
CD	Reading Speed : 4.8 ~ 5.6 m/sec. Maximum Play Time : 74 min.
CD	Reading Speed : 4.8 ~ 5.6 m/sec. Maximum Play Time : 20 min.
DVD	Reading Speed : 4.8 ~ 5.6 m/sec. Maximum Play Time : 74 min. (Video + Audio)
Video	1 channel : 1.0 Vp-p (75 Ω load) Y : 1.0 Vp-p (75 Ω load) Pr : 0.70 Vp-p (75 Ω load) Pb : 0.70 Vp-p (75 Ω load)
Video	Luminance Signal : 1.0 Vp-p (75 Ω load) Chrominance Signal : 0.3 Vp-p (75 Ω load)
Video	High Definition Multimedia Interface
Speaker	L(1/L), R(2/R) F/L, F/R, R/L, R/R, C/T, S/W
Speaker	48 kHz Sampling : 4 Hz to 22 kHz 96 kHz Sampling : 4 Hz to 44 kHz
Speaker	110 dB
Speaker	100 dB
Speaker	0.004 %



\*: Nominal specification

Reserves the right to change the specifications without notice.  
immediate.